

Certificate of Analysis

Product Name:	Lixisenatide
Cat. No.:	CS-5788
CAS No.:	320367-13-3
Batch No.:	272899
Chemical Name:	L-Histidylglycyl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- α -aspartyl-L-leucyl-L-seryl-L-lysyl-L-glutamyl-L-methionyl-L- α -glutamyl-L- α -glutamyl-L- α -glutamyl-L-alanyl-L-valyl-L-arginyl-L-leucyl-L-phenylalanyl-L-isoleucyl-L- α -glutamyl-L-tryptophyl-L-leucyl-L-lysyl-L-asparaginylglycylglycyl-L-prolyl-L-seryl-L-serylglycyl-L-alanyl-L-prolyl-L-prolyl-L-seryl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysineamide

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₂₁₅ H ₃₄₇ N ₆₁ O ₆₅ S
Molecular Weight:	4858.49
Storage:	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture)
Chemical Structure:	

HGEGTFTSDLKOMEAAVRLFIEWLKNNGPSSGAPSKKKKK-NH₂

ANALYTICAL DATA

Appearance:	White to pink (Solid)
Purity (HPLC):	99.93%
Elemental Analysis	
Theoretical:	C(-), H(-), N(-), Peptide Content(\geq 60.0%)
Result:	C(47.13%), H(7.47%), N(15.01%), Peptide Content(85.33%)
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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